

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009447.D
 Acq On : 26 Mar 2019 00:24
 Operator : SY/VA
 Sample : K2044-15
 Misc : 4.98G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5W4

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.081	27	29	33	rVB2	2817	1955	0.11%	0.010%
2	2.160	36	42	48	rBV3	20486	44112	2.37%	0.232%
3	2.361	69	75	88	rVB	61227	139095	7.48%	0.732%
4	2.623	113	118	120	rBV4	12076	23737	1.28%	0.125%
5	2.891	156	162	176	rVB	67159	188069	10.12%	0.990%
6	3.733	298	300	304	rVB4	1807	2166	0.12%	0.011%
7	3.812	311	313	316	rBV4	1205	1577	0.08%	0.008%
8	3.885	323	325	327	rBV2	1516	1637	0.09%	0.009%
9	4.019	335	347	357	rBV3	110509	379300	20.41%	1.997%
10	4.123	358	364	373	rVB2	27375	77276	4.16%	0.407%
11	4.342	398	400	401	rVV2	2306	2248	0.12%	0.012%
12	4.379	401	406	416	rVV3	9013	27645	1.49%	0.146%
13	4.812	475	477	480	rBV2	1899	2594	0.14%	0.014%
14	4.842	480	482	483	rVV2	1975	1775	0.10%	0.009%
15	4.915	483	494	508	rVV7	27128	128183	6.90%	0.675%
16	5.172	533	536	537	rBV3	1924	2198	0.12%	0.012%
17	5.787	629	637	645	rBV6	6748	18952	1.02%	0.100%
18	5.921	651	659	660	rBV2	12275	18167	0.98%	0.096%
19	6.135	691	694	695	rBV	1988	1632	0.09%	0.009%
20	6.257	712	714	717	rVB3	1369	1586	0.09%	0.008%
21	6.366	730	732	736	rVB2	1379	1590	0.09%	0.008%
22	6.507	753	755	759	rVB3	1421	1594	0.09%	0.008%
23	6.622	771	774	777	rVB2	1568	1944	0.10%	0.010%
24	6.708	777	788	794	rBV6	10488	37612	2.02%	0.198%
25	6.872	804	815	825	rBV2	51594	173543	9.34%	0.914%
26	7.074	839	848	857	rBV	66530	181526	9.77%	0.956%
27	7.159	860	862	875	rVB4	18643	46949	2.53%	0.247%
28	7.275	880	881	885	rVB2	3106	1984	0.11%	0.010%
29	7.421	903	905	907	rBV2	1467	1730	0.09%	0.009%
30	7.543	921	925	930	rVB7	2925	4318	0.23%	0.023%
31	7.647	932	942	959	rBV	250782	661042	35.56%	3.481%
32	7.787	964	965	970	rVB3	2616	2891	0.16%	0.015%
33	7.860	975	977	980	rBV2	1330	1831	0.10%	0.010%
34	7.952	982	992	996	rBV7	6616	23185	1.25%	0.122%

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35	8.031	996	1005	1019	rVV2	108332	300503	16.17%	1.582%
36	8.153	1021	1025	1028	rVV6	8469	16310	0.88%	0.086%
37	8.214	1029	1035	1037	rVV3	20334	40587	2.18%	0.214%
38	8.275	1037	1045	1060	rVV2	420858	1329159	71.50%	7.000%
39	8.421	1060	1069	1070	rVV3	36890	66933	3.60%	0.352%
40	8.476	1071	1078	1101	rVB	330029	999619	53.78%	5.264%
41	8.695	1110	1114	1119	rVB6	5076	9636	0.52%	0.051%
42	8.842	1130	1138	1149	rVB	495206	977443	52.58%	5.147%
43	9.146	1182	1188	1196	rVB3	17522	37226	2.00%	0.196%
44	9.274	1201	1209	1216	rBV3	359695	1066033	57.35%	5.614%
45	9.384	1223	1227	1233	rVB	82894	147671	7.94%	0.778%
46	9.463	1233	1240	1253	rVV	191953	450425	24.23%	2.372%
47	9.604	1253	1263	1274	rVB	229540	516230	27.77%	2.719%
48	9.756	1280	1288	1301	rBV	779394	1588081	85.43%	8.363%
49	9.890	1301	1310	1324	rBV	822771	1858841	100.00%	9.789%
50	10.030	1328	1333	1337	rBV	105919	198383	10.67%	1.045%
51	10.073	1338	1340	1347	rVB2	51672	86859	4.67%	0.457%
52	10.244	1356	1368	1374	rBV2	185625	417619	22.47%	2.199%
53	10.323	1374	1381	1392	rVB	580963	1078748	58.03%	5.681%
54	10.494	1402	1409	1417	rVB3	95502	227571	12.24%	1.198%
55	10.579	1417	1423	1427	rBV	80441	153373	8.25%	0.808%
56	10.616	1427	1429	1432	rVV2	28494	37177	2.00%	0.196%
57	10.664	1432	1437	1447	rVB	121252	239395	12.88%	1.261%
58	10.762	1447	1453	1458	rBV3	70578	161426	8.68%	0.850%
59	10.927	1471	1480	1488	rVB	273247	500881	26.95%	2.638%
60	11.024	1491	1496	1501	rBV6	23237	45739	2.46%	0.241%
61	11.109	1506	1510	1513	rBV3	18007	29378	1.58%	0.155%
62	11.140	1513	1515	1520	rVB6	20136	25980	1.40%	0.137%
63	11.231	1524	1530	1534	rBV	124586	217806	11.72%	1.147%
64	11.286	1534	1539	1543	rBV	73177	111951	6.02%	0.590%
65	11.433	1558	1563	1573	rVB3	58628	134772	7.25%	0.710%
66	11.542	1573	1581	1582	rBV7	13732	32935	1.77%	0.173%
67	11.628	1589	1595	1604	rBV	656612	1100377	59.20%	5.795%
68	11.762	1613	1617	1621	rVB3	32041	49713	2.67%	0.262%
69	11.817	1622	1626	1631	rBV4	52712	102409	5.51%	0.539%
70	11.975	1648	1652	1656	rVB6	14255	23480	1.26%	0.124%
71	12.030	1656	1661	1671	rVB6	17710	40197	2.16%	0.212%

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72	12.128	1671	1677	1686	rBV5	51133	151176	8.13%	0.796%
73	12.341	1703	1712	1721	rVB7	44470	135482	7.29%	0.713%
74	12.438	1721	1728	1732	rBV8	27707	72031	3.88%	0.379%
75	12.524	1739	1742	1745	rBV4	14466	18258	0.98%	0.096%
76	12.695	1763	1770	1777	rBV	271649	458585	24.67%	2.415%
77	12.780	1779	1784	1792	rVB3	63342	119541	6.43%	0.630%
78	13.048	1824	1828	1832	rBV5	17303	28919	1.56%	0.152%
79	13.268	1858	1864	1867	rBV8	9740	20640	1.11%	0.109%
80	13.560	1905	1912	1918	rBV	428969	693778	37.32%	3.654%
81	13.761	1941	1945	1950	rVB3	13602	22628	1.22%	0.119%
82	13.853	1954	1960	1973	rVB	330370	554897	29.85%	2.922%
83	14.078	1992	1997	1999	rBV4	8358	15470	0.83%	0.081%
84	14.341	2035	2040	2044	rVB7	8371	13845	0.74%	0.073%
85	14.810	2112	2117	2122	rVB6	7476	10535	0.57%	0.055%
86	14.926	2134	2136	2139	rBV2	1947	2331	0.13%	0.012%
87	14.962	2139	2142	2143	rVV3	1968	2196	0.12%	0.012%
88	15.279	2191	2194	2196	rBV4	1869	1854	0.10%	0.010%
89	15.414	2213	2216	2217	rBV3	3161	3433	0.18%	0.018%
90	15.444	2219	2221	2226	rVV4	8643	10402	0.56%	0.055%
91	15.499	2226	2230	2234	rVV2	4942	7496	0.40%	0.039%
92	15.682	2258	2260	2265	rBV4	1345	2211	0.12%	0.012%
93	15.840	2284	2286	2289	rVB2	2044	1986	0.11%	0.010%
94	15.944	2301	2303	2306	rBV2	1730	1856	0.10%	0.010%
95	16.072	2322	2324	2329	rVB5	1256	1634	0.09%	0.009%
96	16.115	2329	2331	2335	rBV3	1579	1722	0.09%	0.009%
97	16.206	2344	2346	2350	rVB	1521	1721	0.09%	0.009%
98	16.548	2400	2402	2405	rBV3	2276	2532	0.14%	0.013%
99	16.627	2409	2415	2417	rBV6	2103	3512	0.19%	0.018%
100	16.688	2424	2425	2429	rBV4	1296	2001	0.11%	0.011%

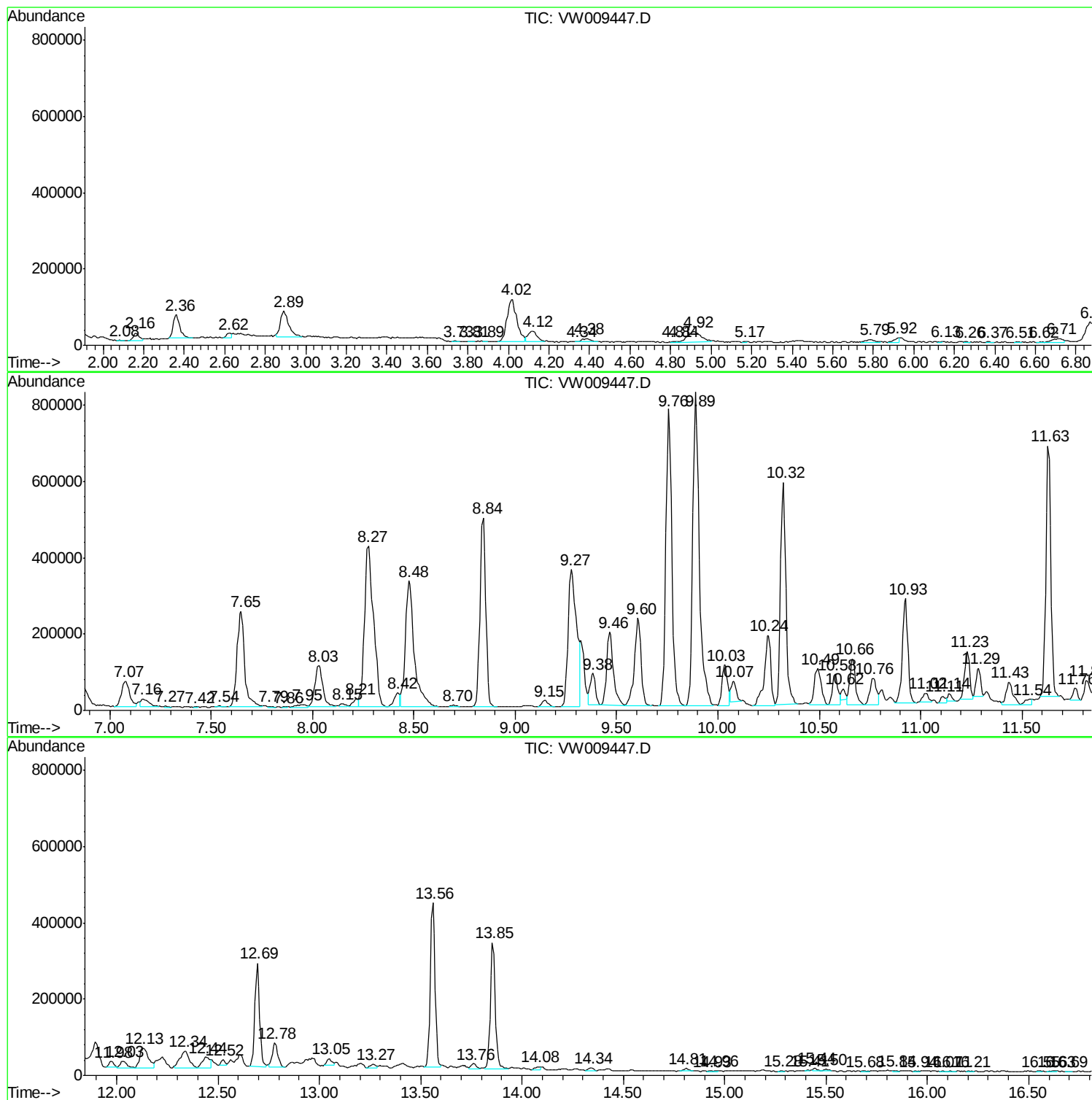
Sum of corrected areas: 18989181

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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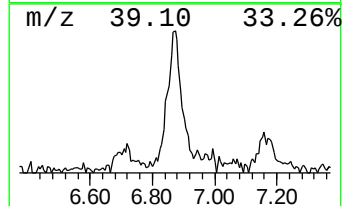
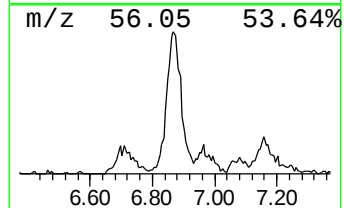
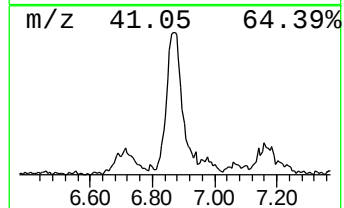
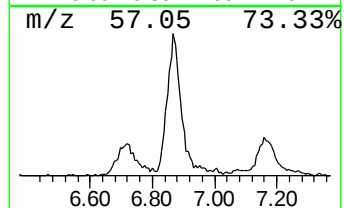
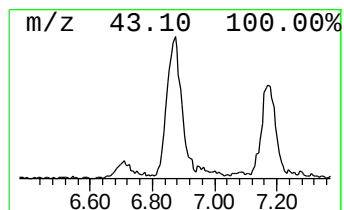
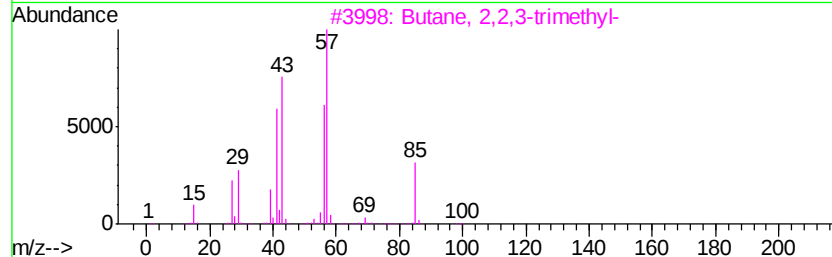
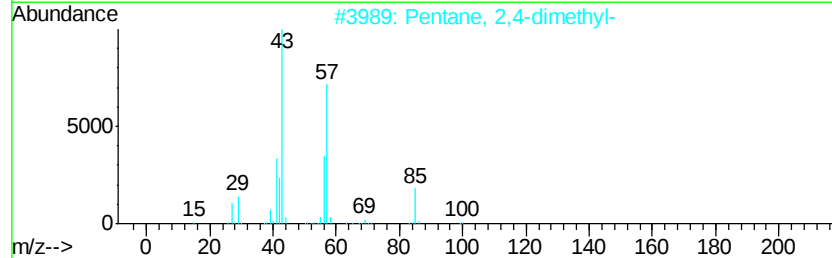
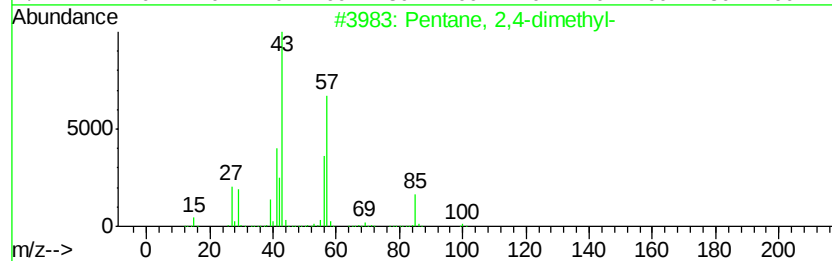
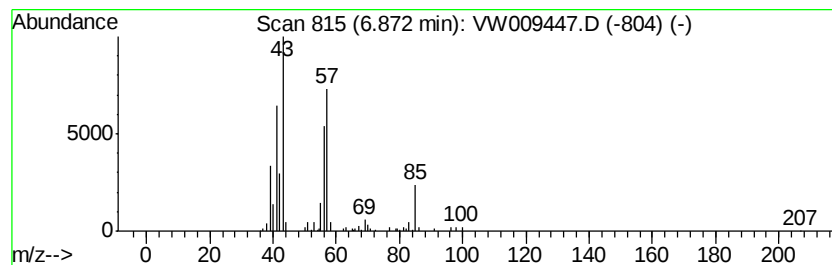
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	4.44 ug/L	173543	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	86
2	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	59
3	Butane, 2,2,3-trimethyl-			100	C7H16	000464-06-2	53
4	n-Hexane			86	C6H14	000110-54-3	50
5	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	47



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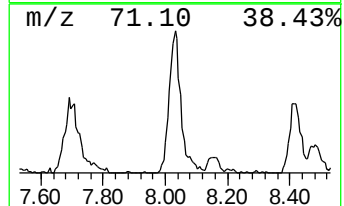
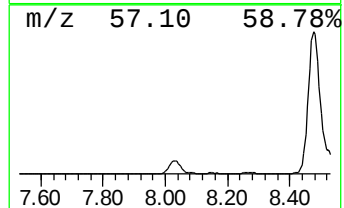
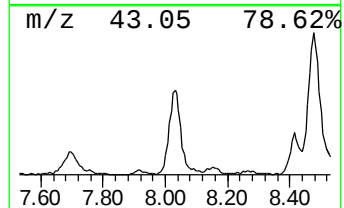
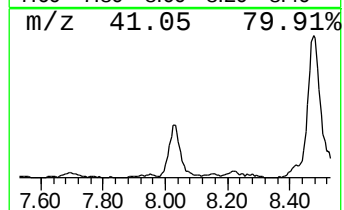
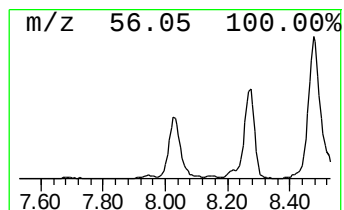
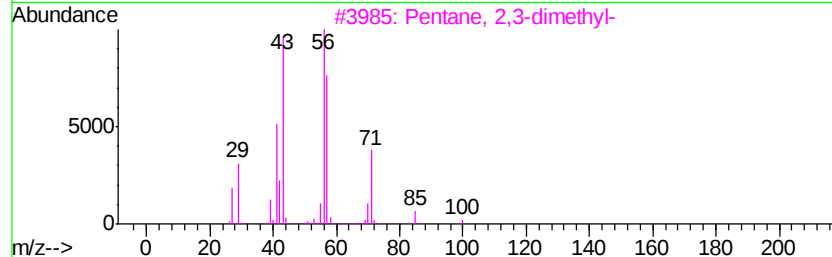
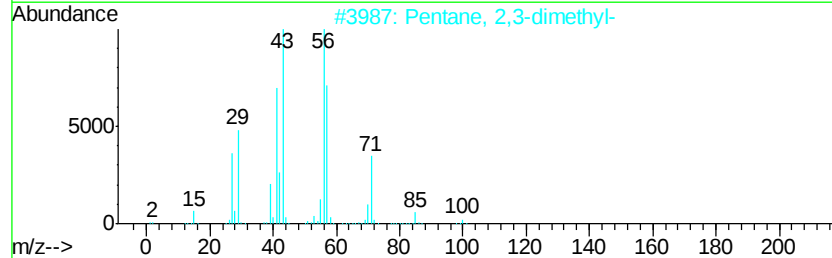
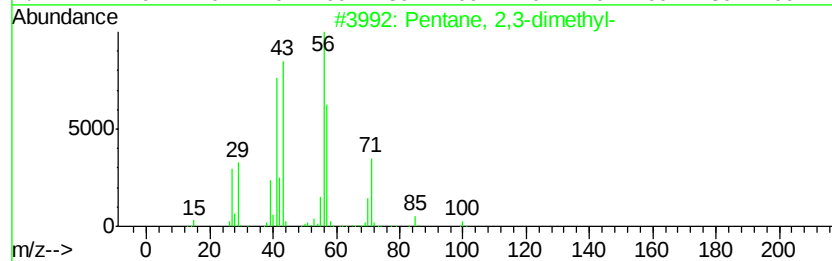
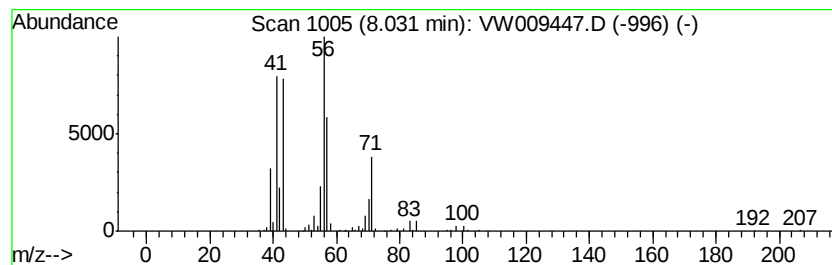
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	7.69 ug/L	300503	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-			100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-			100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-			100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-			100	C7H16	000565-59-3	86
5	1-Pentanol, 2,3-dimethyl-			116	C7H16O	010143-23-4	59



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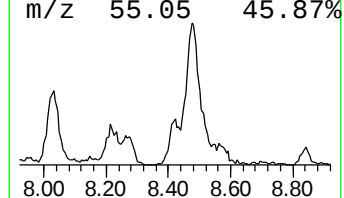
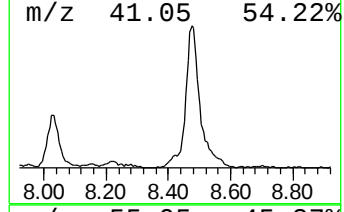
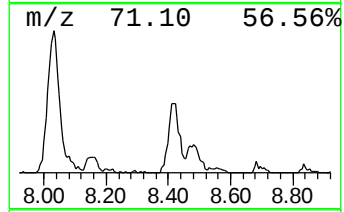
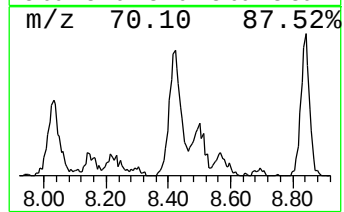
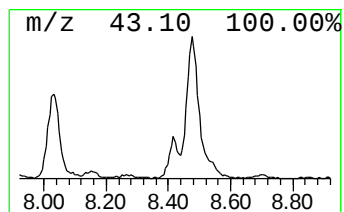
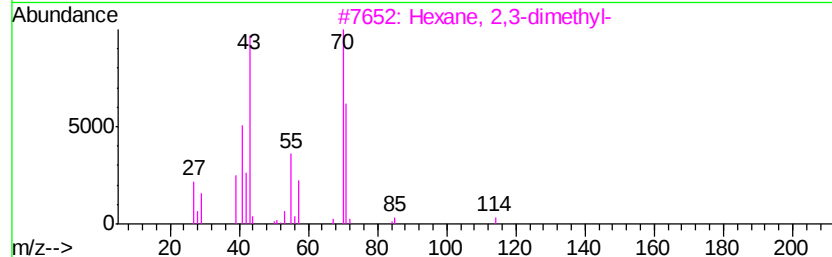
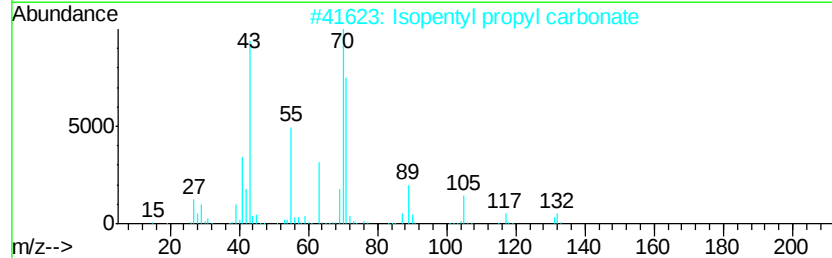
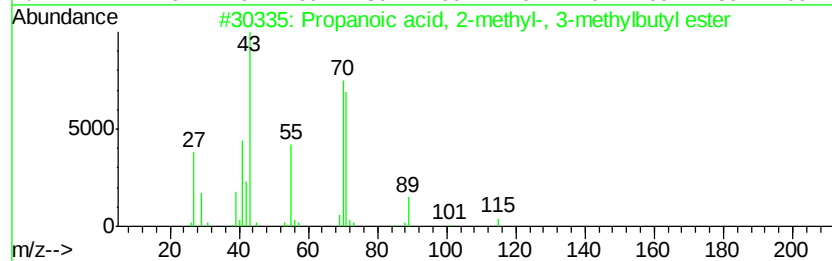
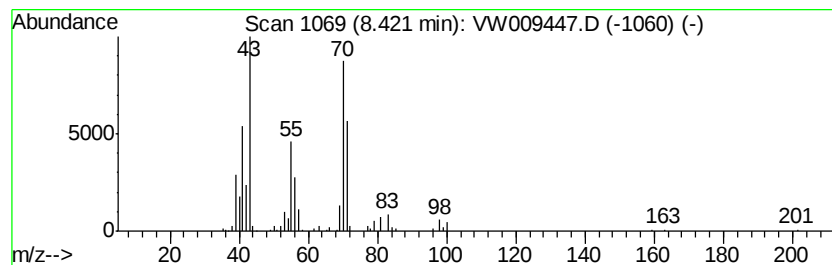
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	1.71 ug/L	66933	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	64
2		Isopentyl propyl carbonate	174	C9H18O3	1000373-84-4	59
3		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	59
4		Pyrrolidine	71	C4H9N	000123-75-1	53
5		1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

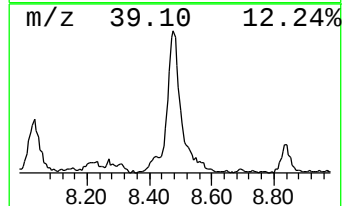
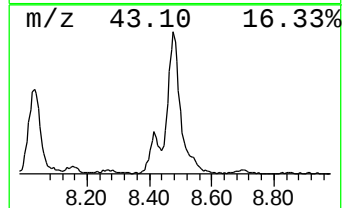
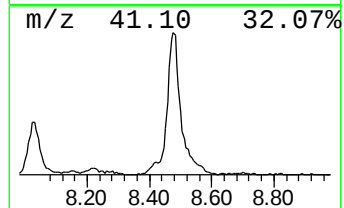
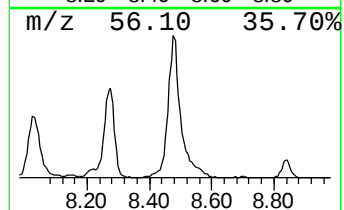
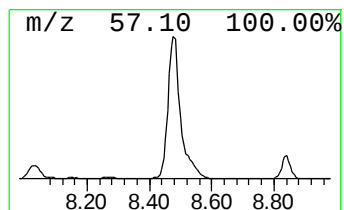
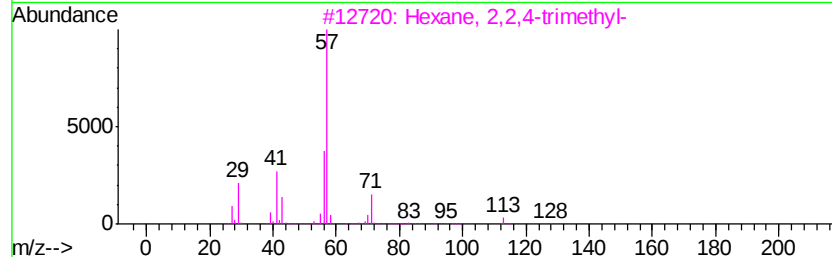
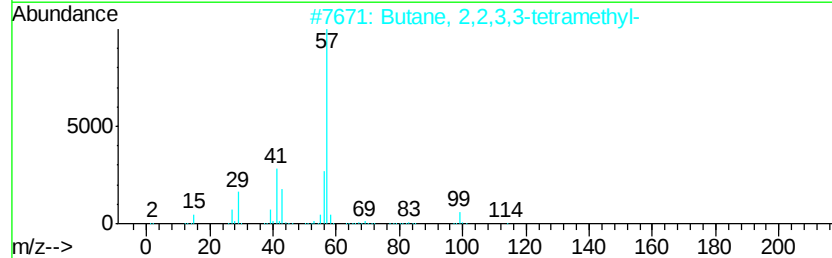
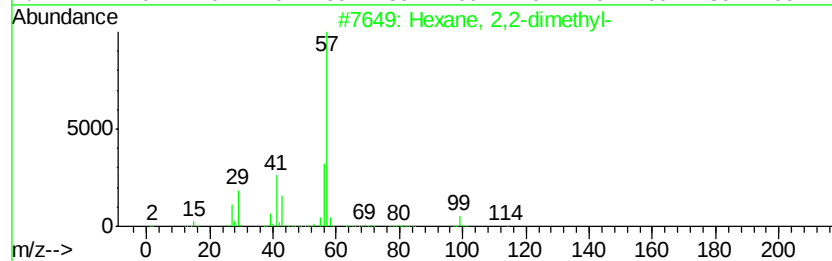
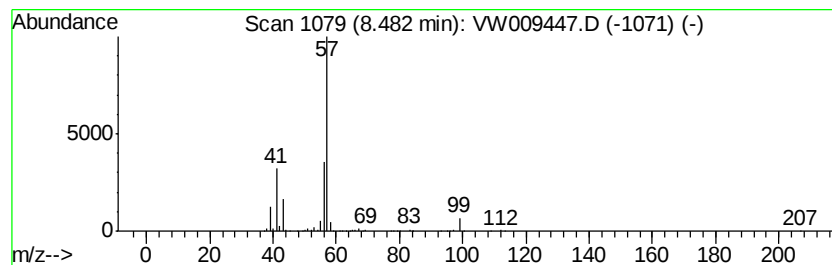
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	25.57 ug/L	999619	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
5		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

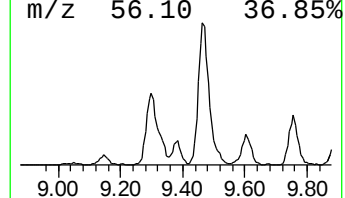
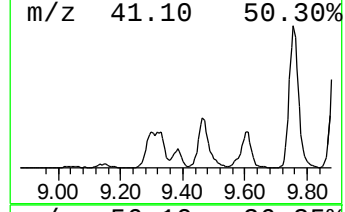
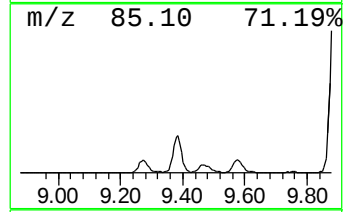
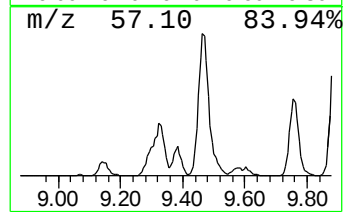
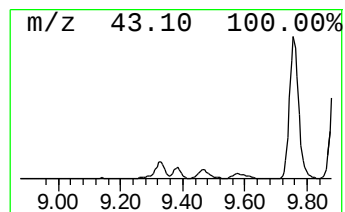
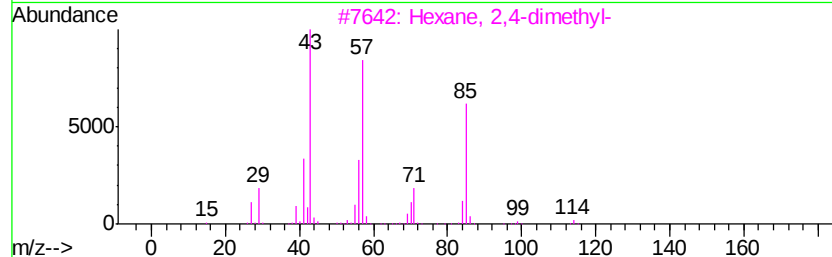
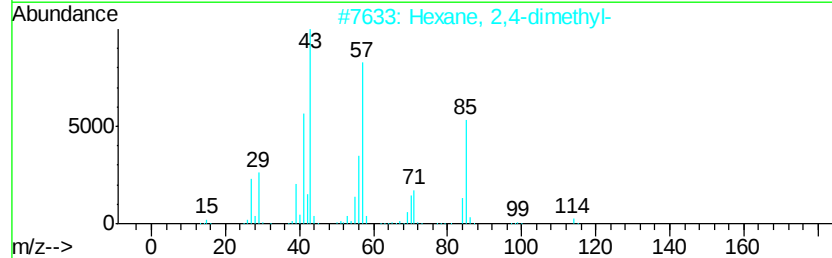
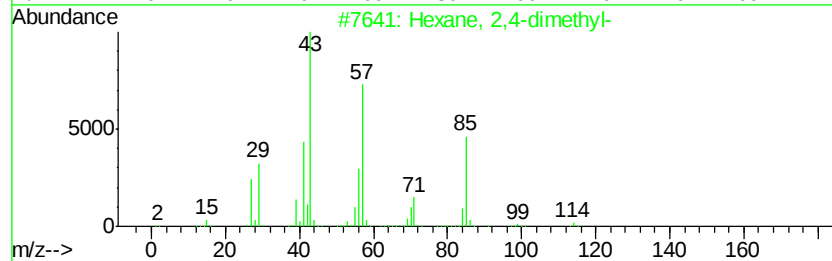
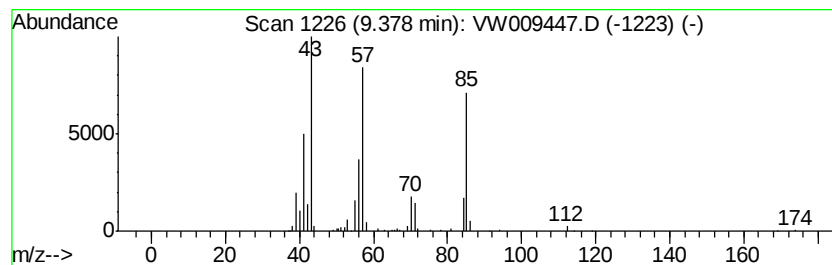
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	3.78 ug/L	147671	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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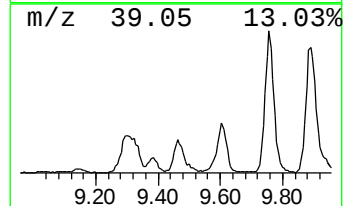
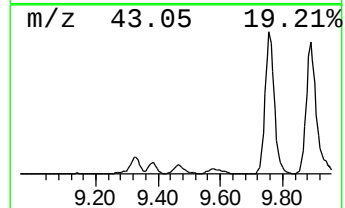
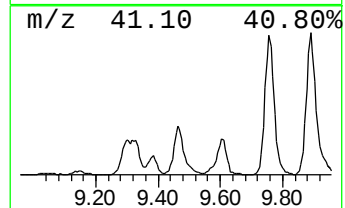
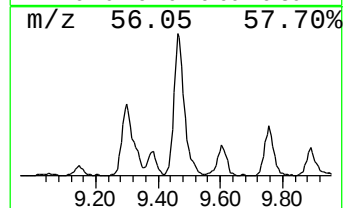
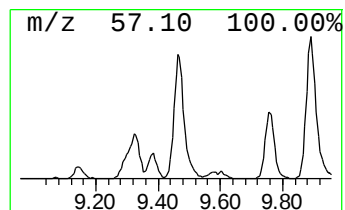
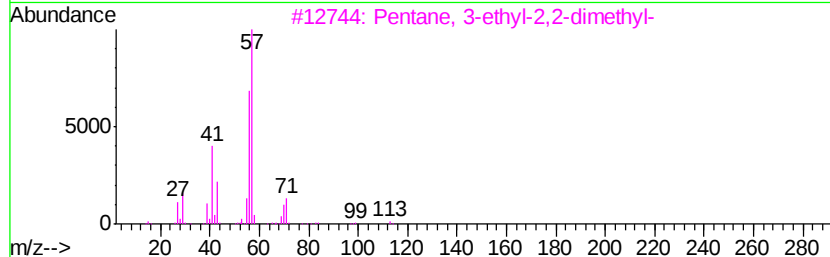
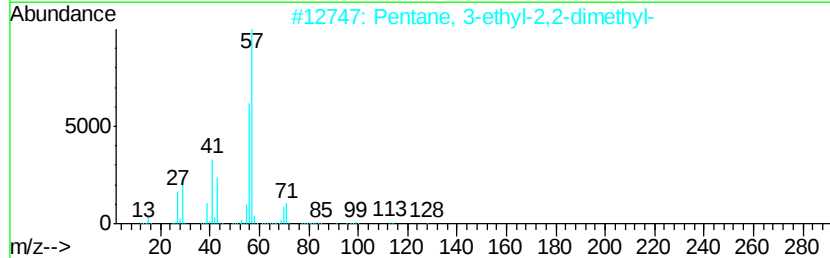
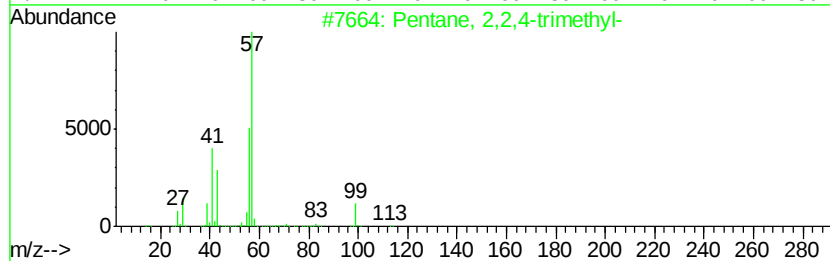
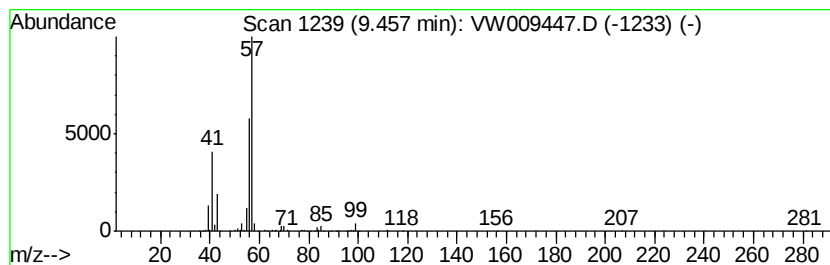
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	11.52 ug/L	450425	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	74
2		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	72
3		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	72
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5		Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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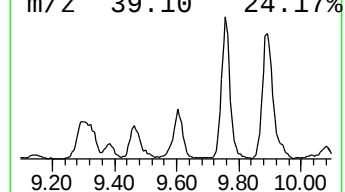
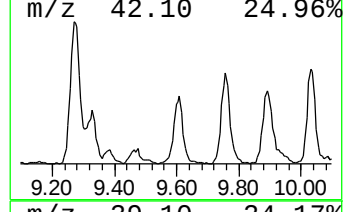
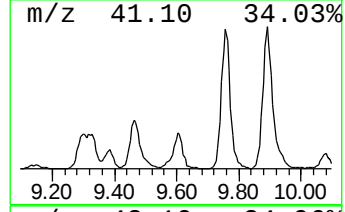
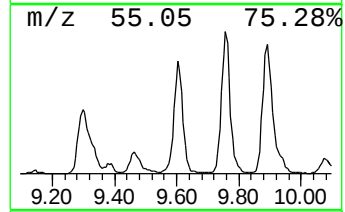
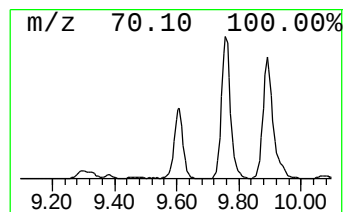
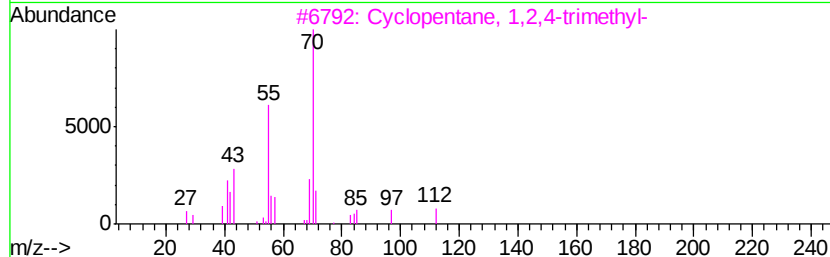
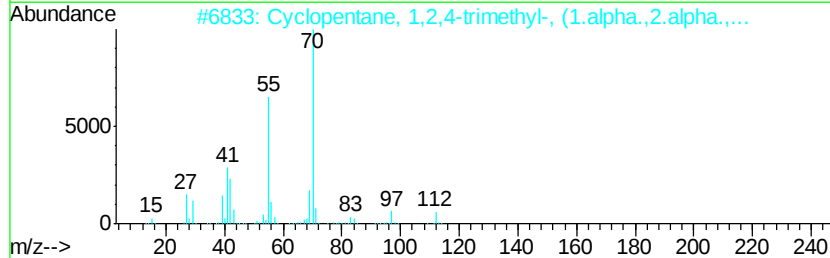
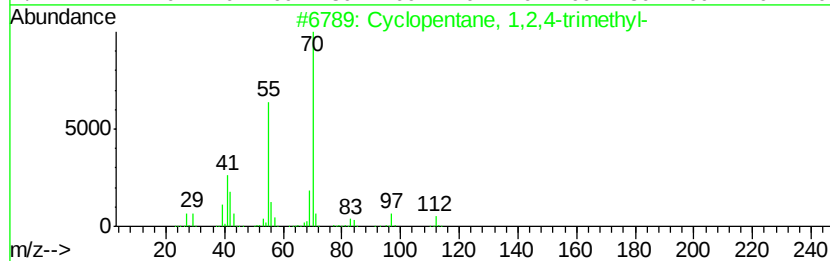
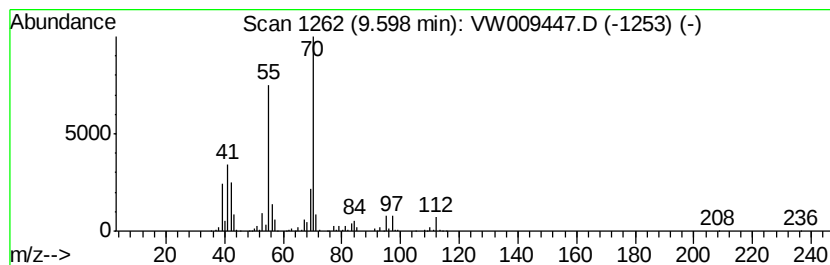
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	13.20 ug/L	516230	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	80
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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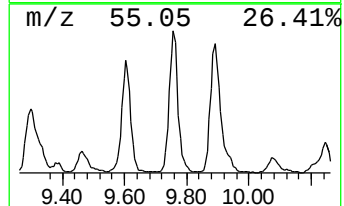
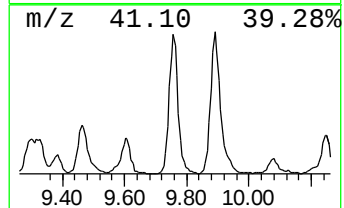
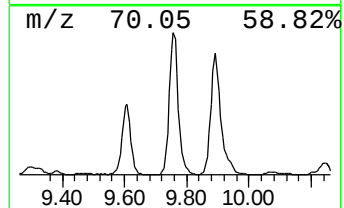
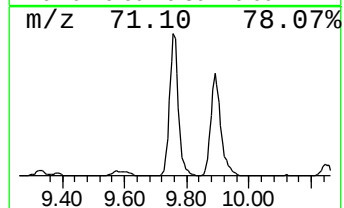
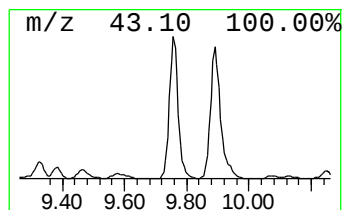
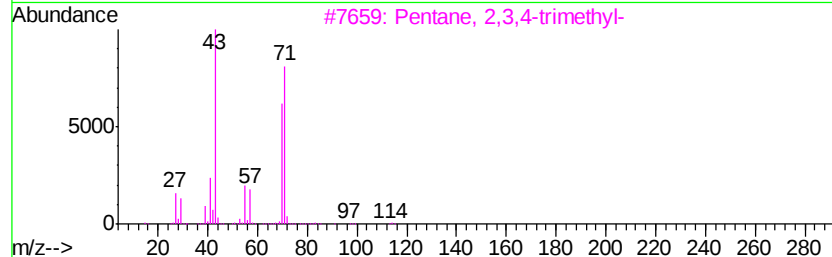
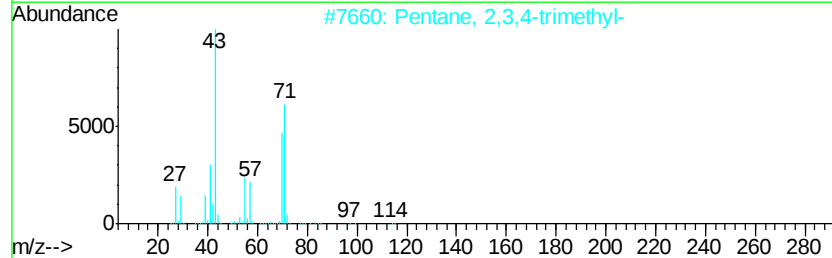
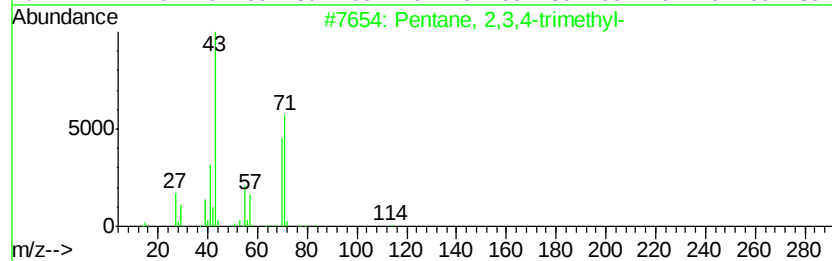
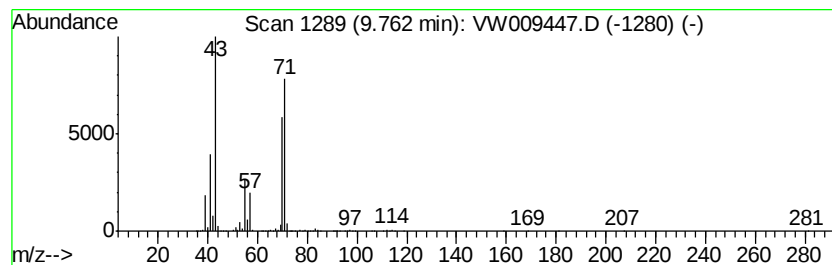
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	40.62 ug/L	1588080	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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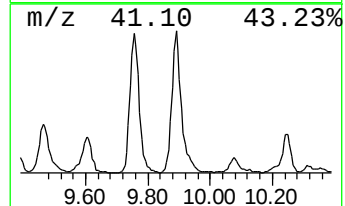
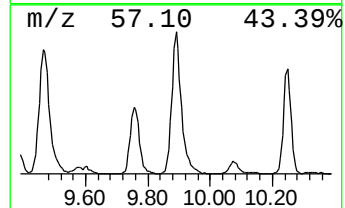
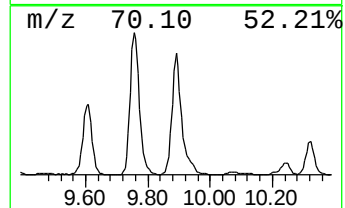
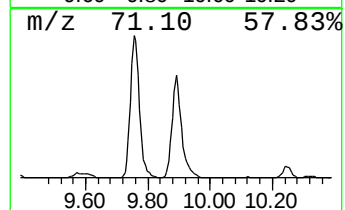
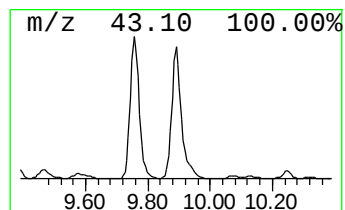
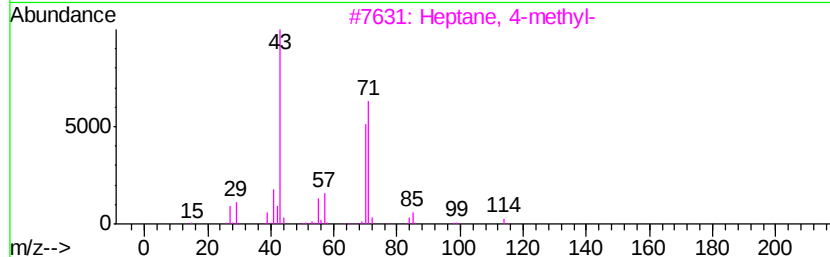
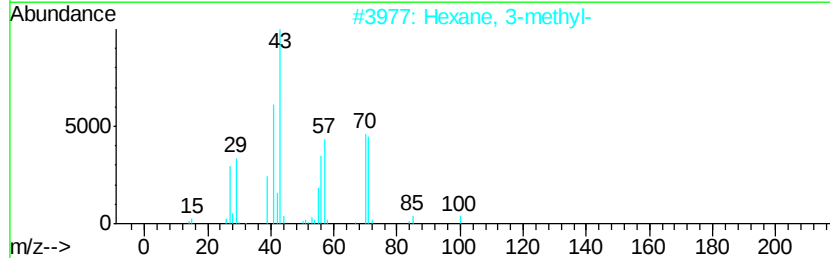
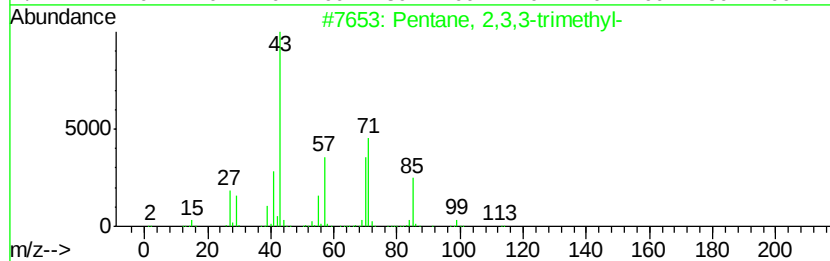
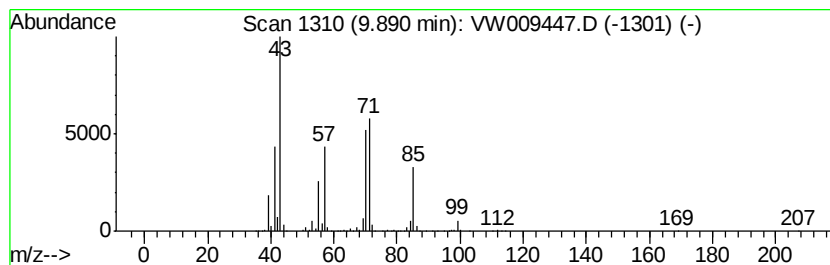
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	47.54 ug/L	1858840	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009447.D
 Acq On : 26 Mar 2019 00:24
 Operator : SY/VA
 Sample : K2044-15
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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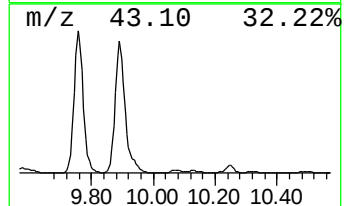
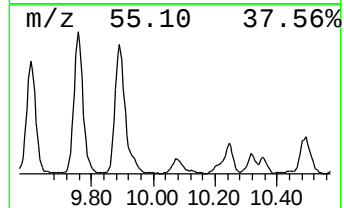
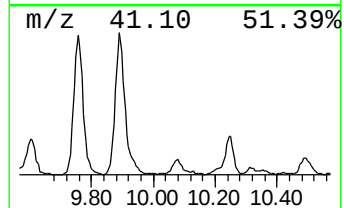
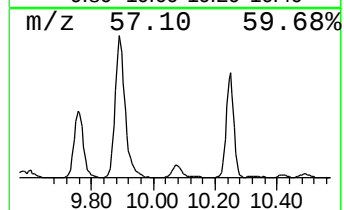
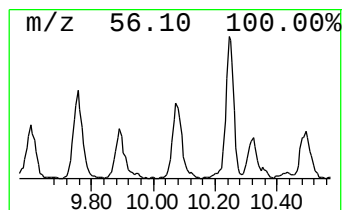
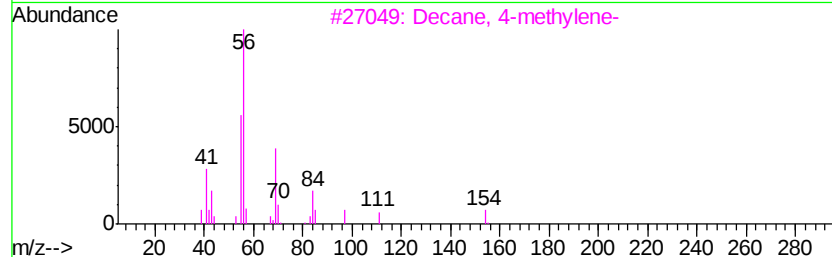
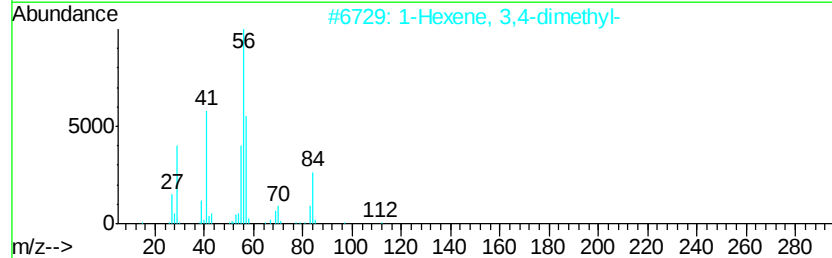
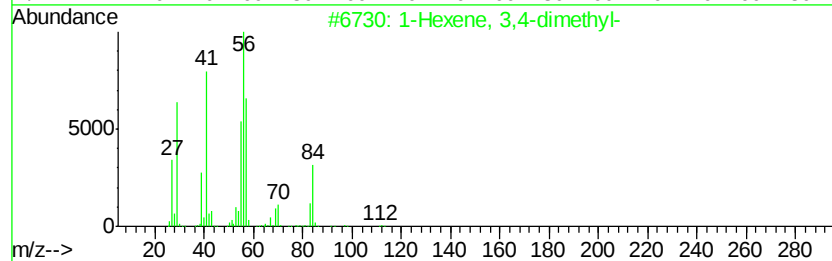
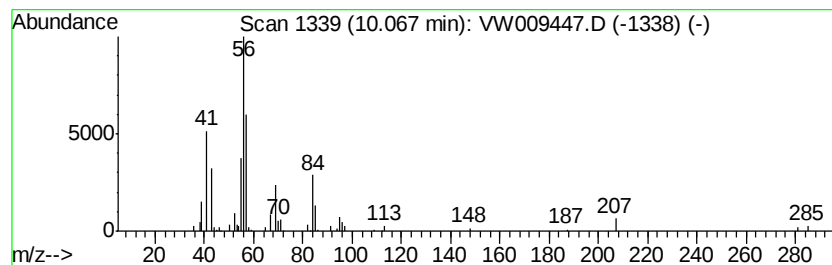
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 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 (DEL) Alkane: Cyclic-10.07 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	2.22 ug/L	86859	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	59
2		1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	59
3		Decane, 4-methylene-	154	C11H22	024949-41-5	59
4		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53
5		Cyclohexane	84	C6H12	000110-82-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

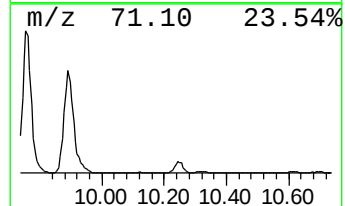
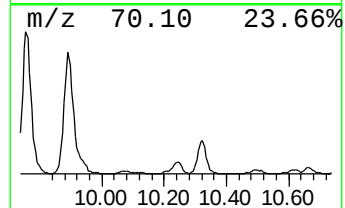
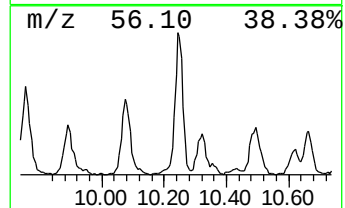
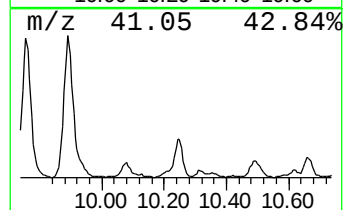
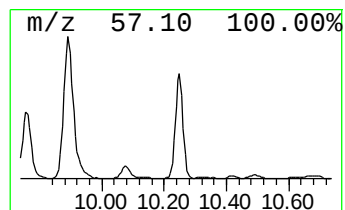
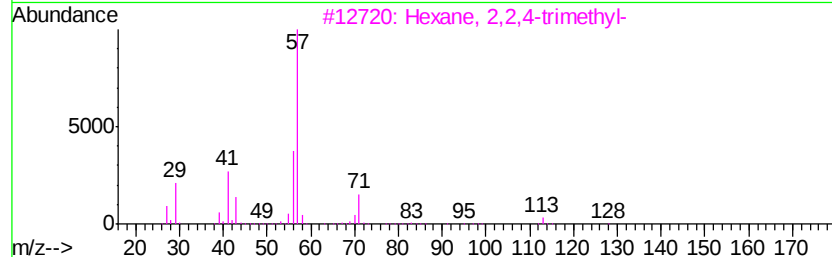
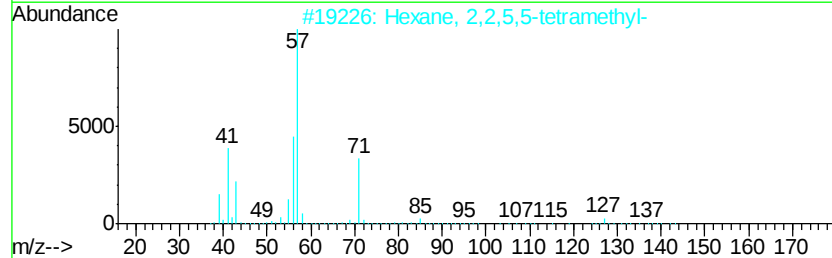
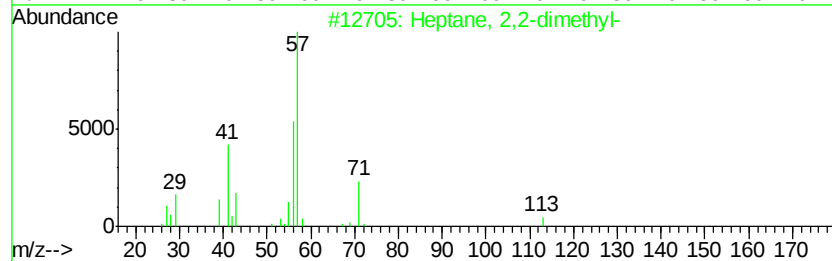
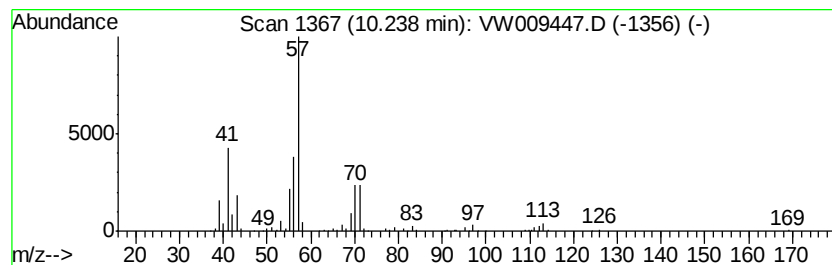
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	9.49 ug/L	417619	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
2		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
4		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

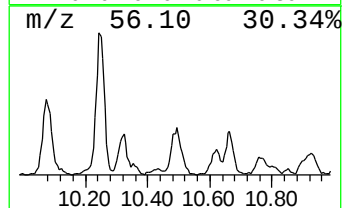
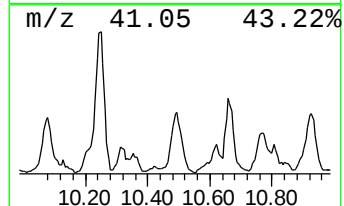
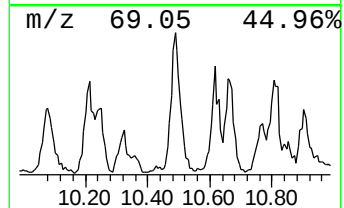
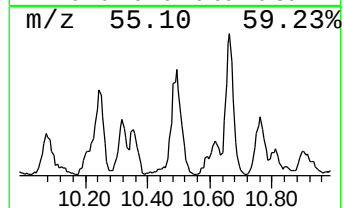
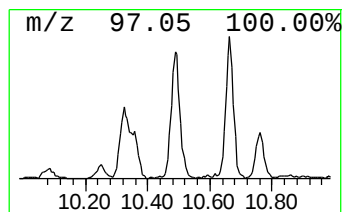
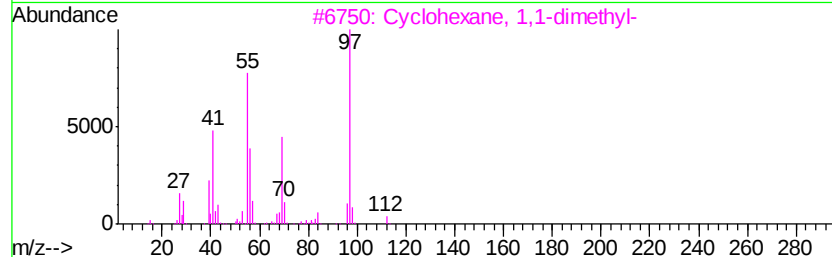
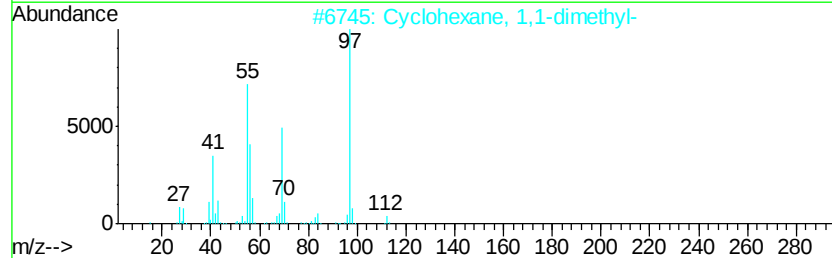
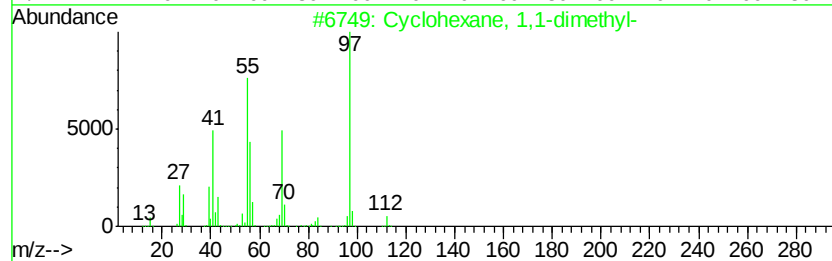
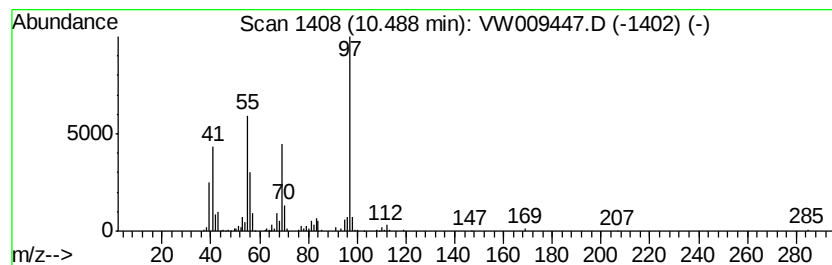
Instrument :
MSVOA_W
ClientSampleId :
BF5W4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Cyclic-10.19 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	5.17 ug/L	227571	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	90
3	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
4	2,4-Dimethyl-1,5-diazabicyclo[3...	112	C6H12N2	100463-01-2	72
5	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

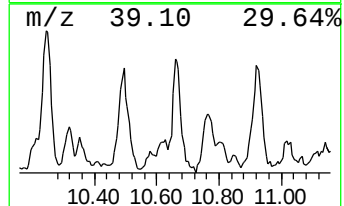
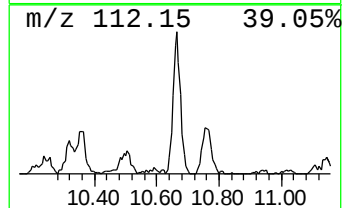
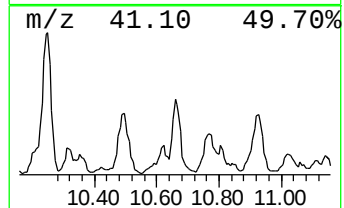
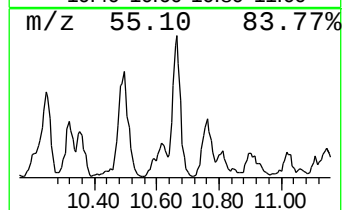
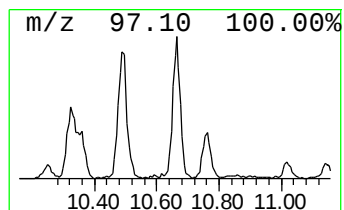
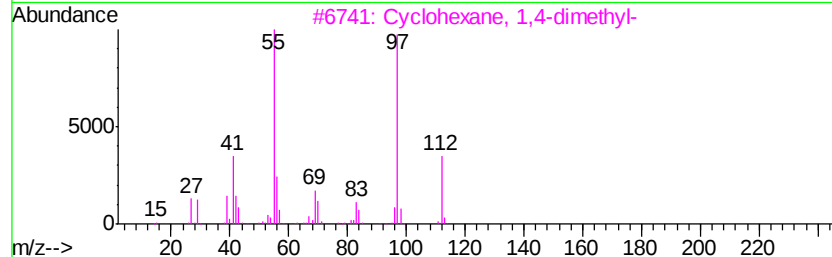
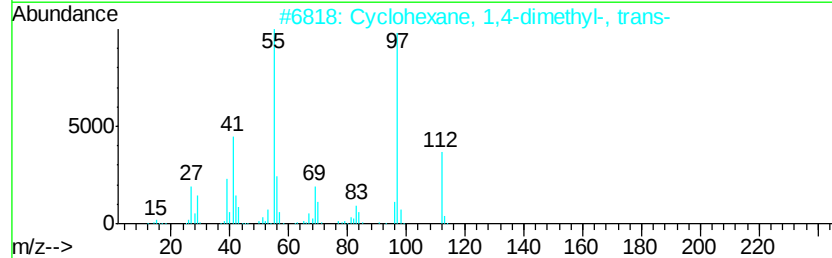
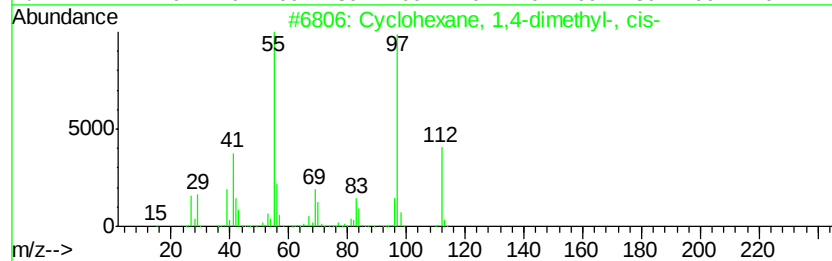
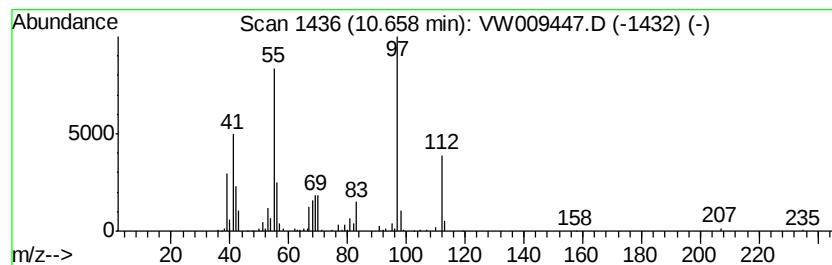
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Cyclic-10.66 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	5.44 ug/L	239395	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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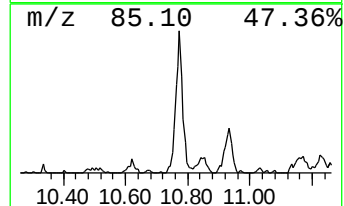
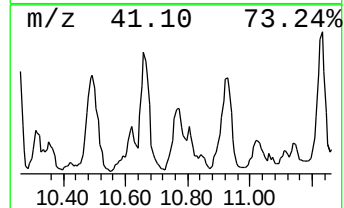
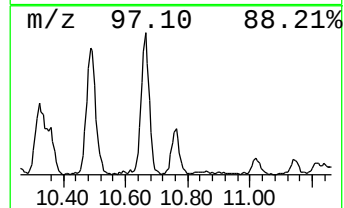
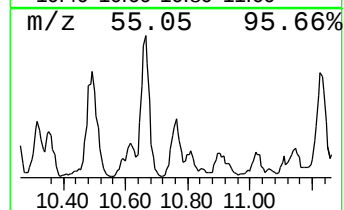
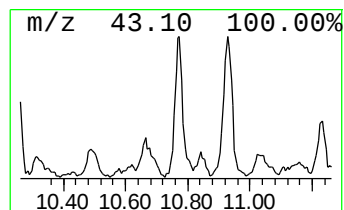
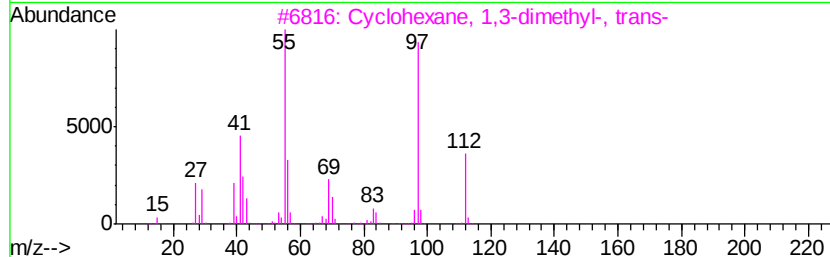
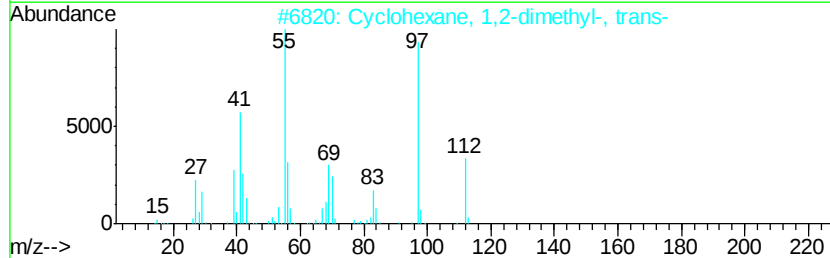
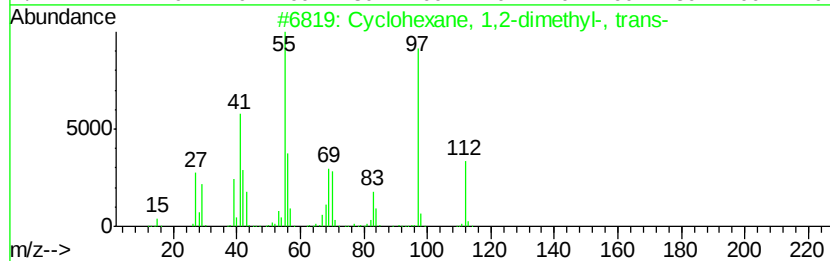
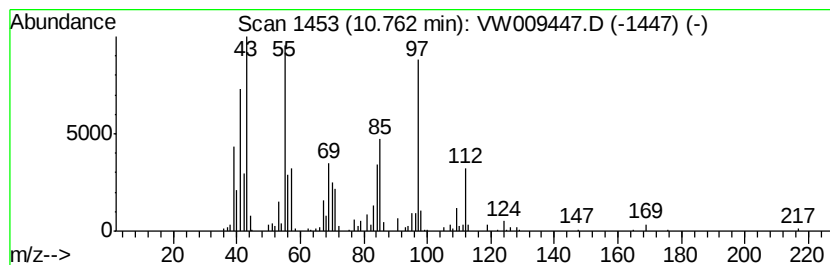
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Cyclic-10.76 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.67 ug/L	161426	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	60
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	60
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	60
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

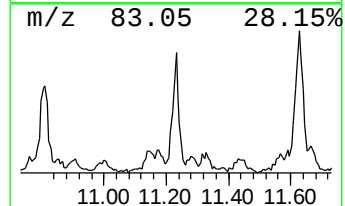
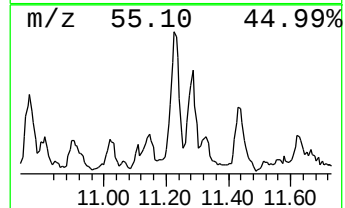
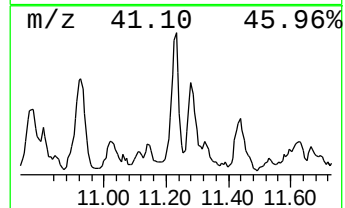
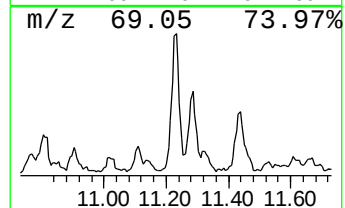
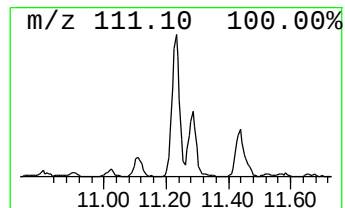
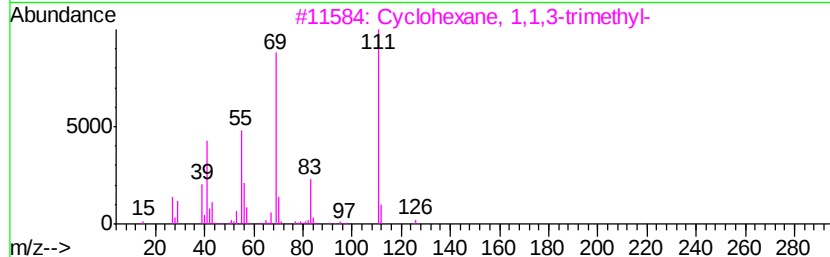
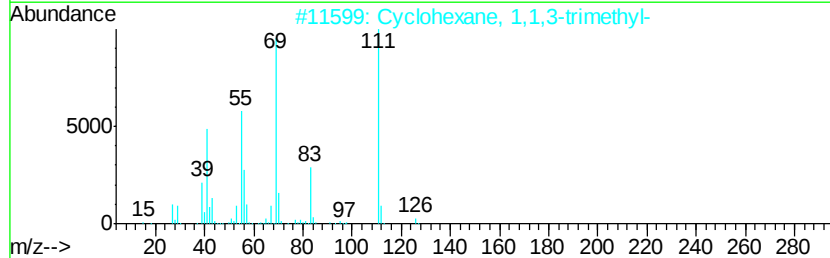
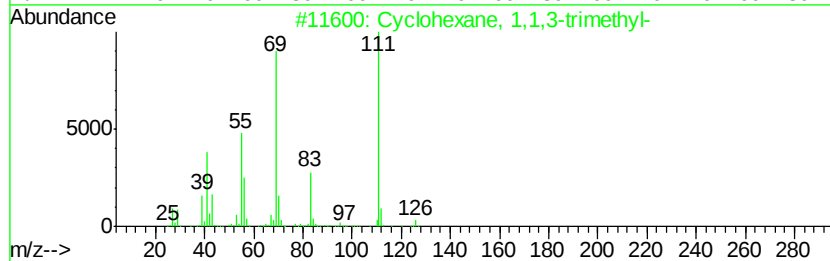
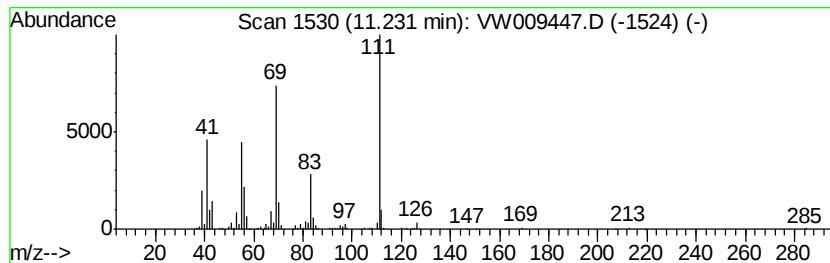
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Cyclic-11.23 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	4.95 ug/L	217806	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	97
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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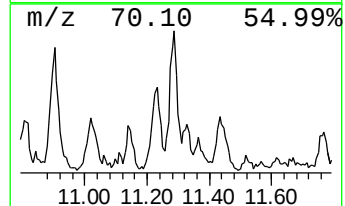
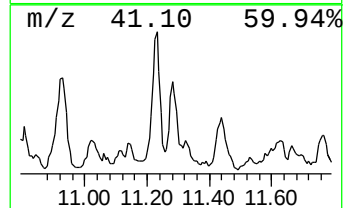
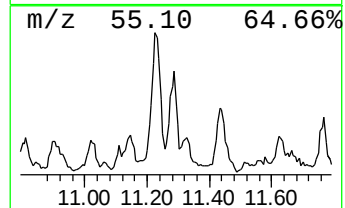
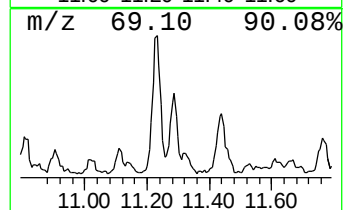
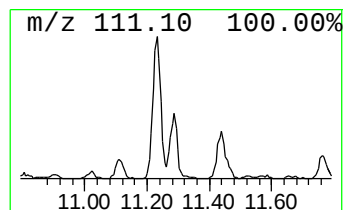
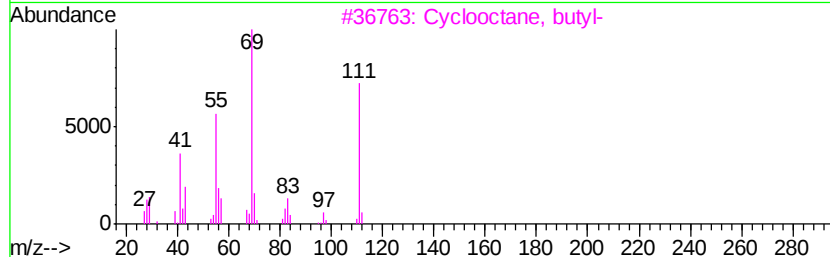
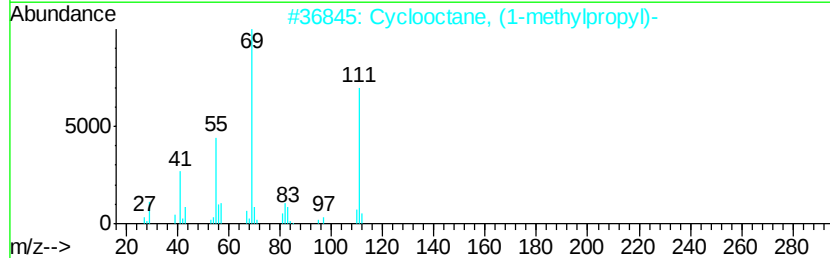
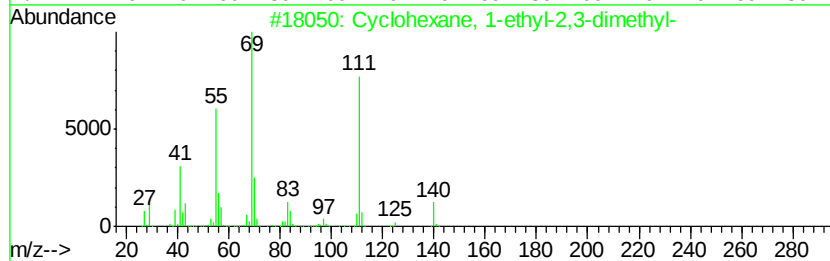
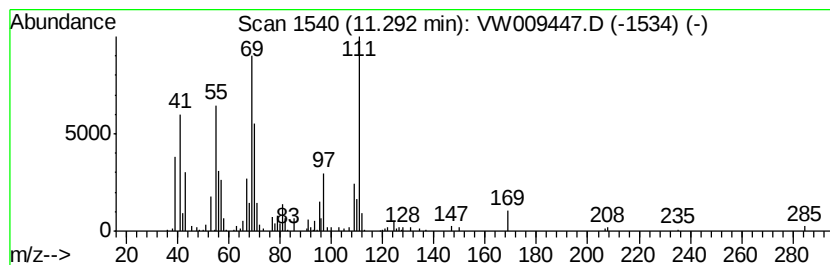
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic-11.29 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	2.54 ug/L	111951	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	59
2			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53
3			Cyclooctane, butyl-	168	C12H24	016538-93-5	53
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

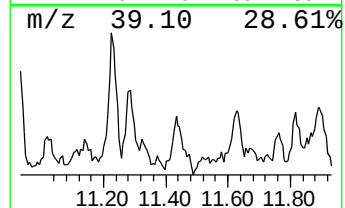
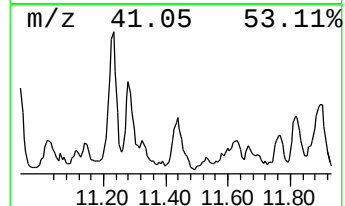
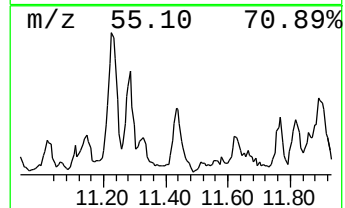
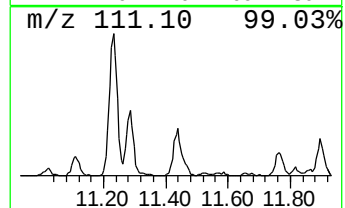
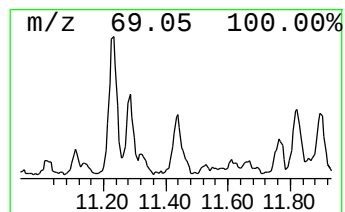
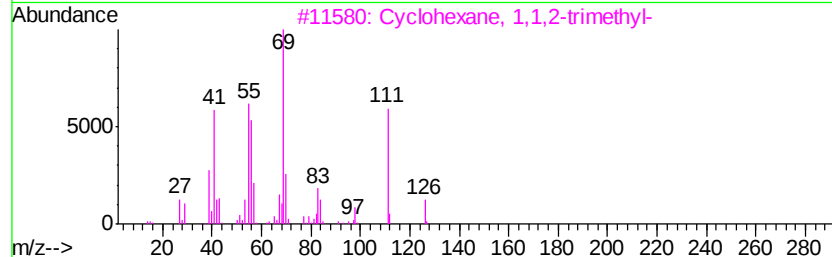
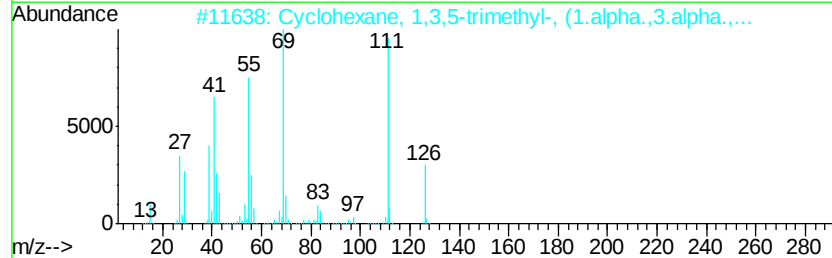
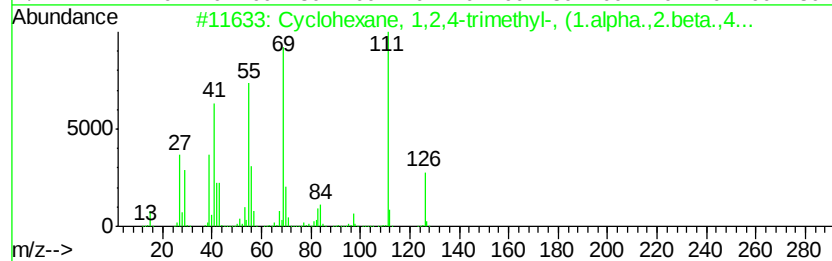
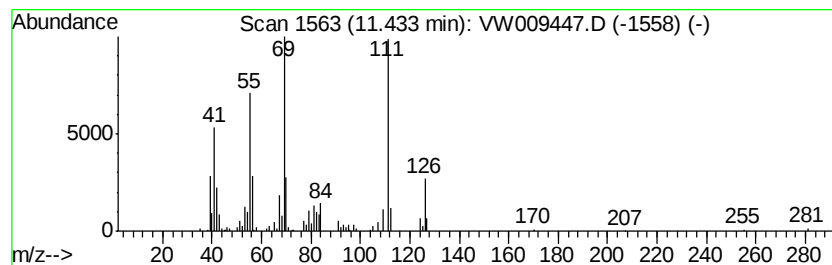
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic-11.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	3.06 ug/L	134772	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

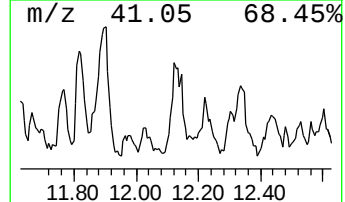
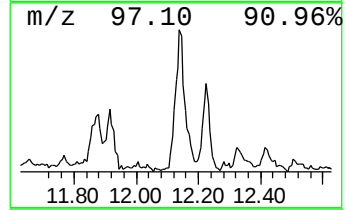
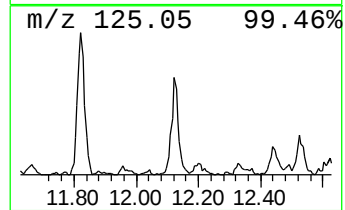
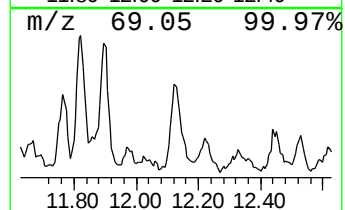
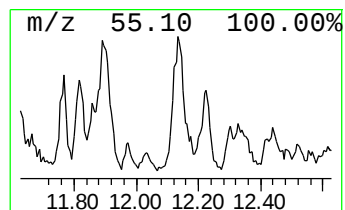
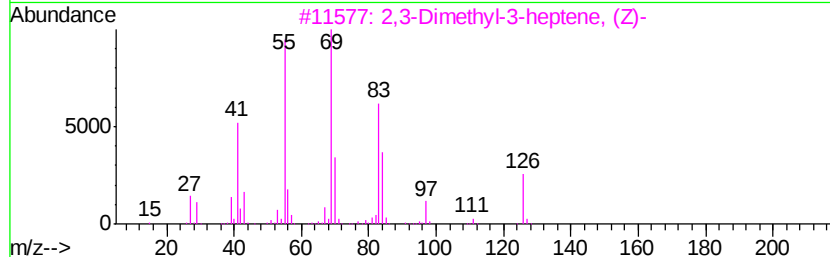
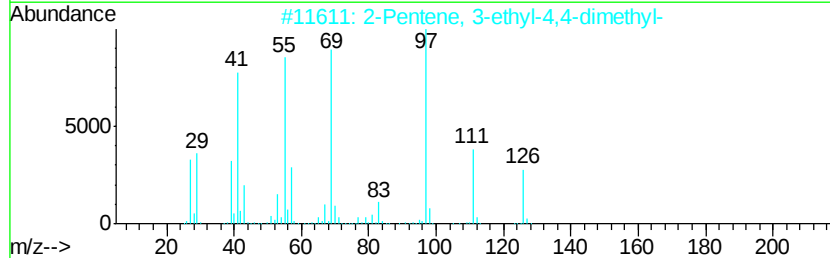
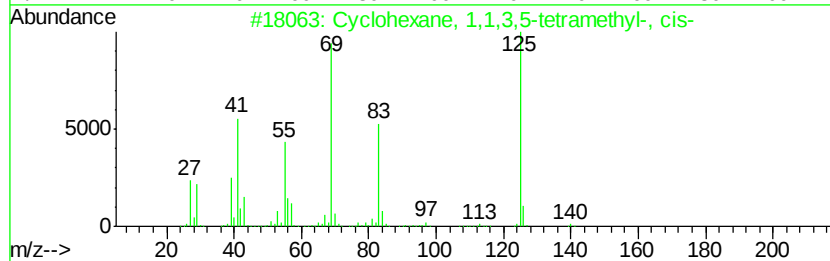
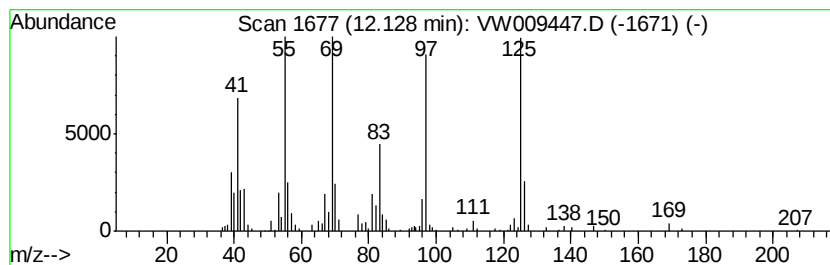
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic-12.13 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.43 ug/L	151176	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
2		2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	46
3		2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	38
4		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	35
5		trans-7-Methyl-3-octene	126	C9H18	1000113-52-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

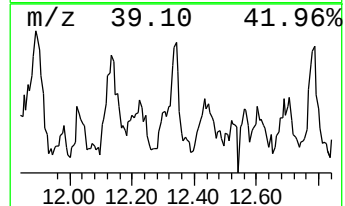
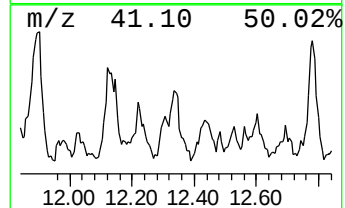
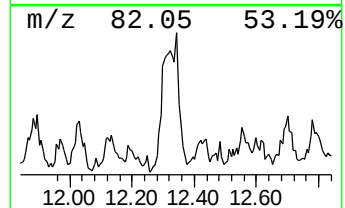
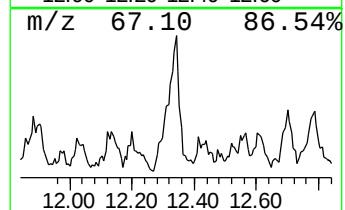
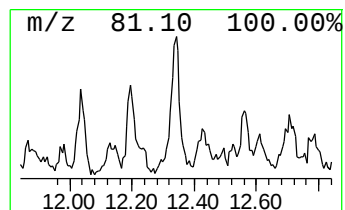
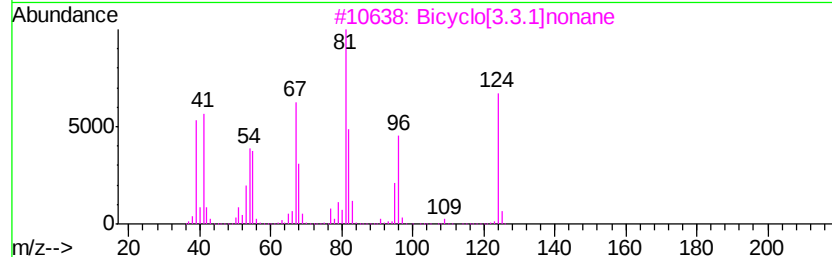
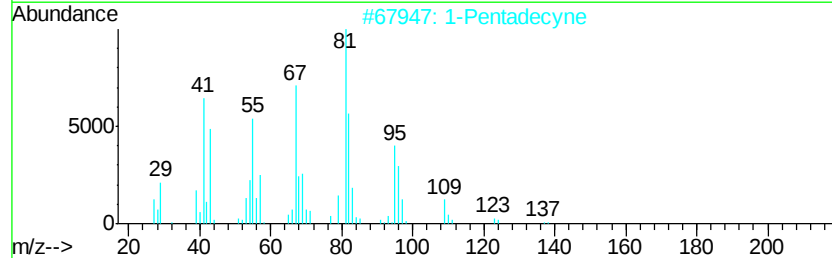
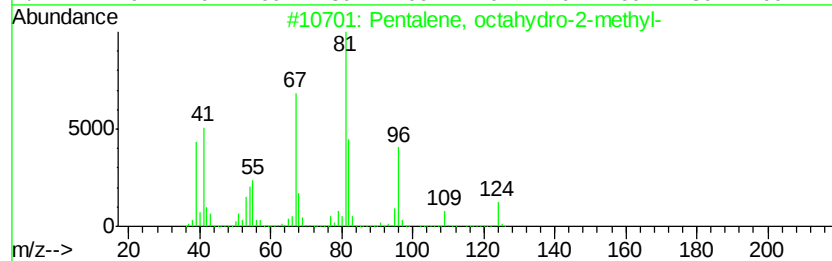
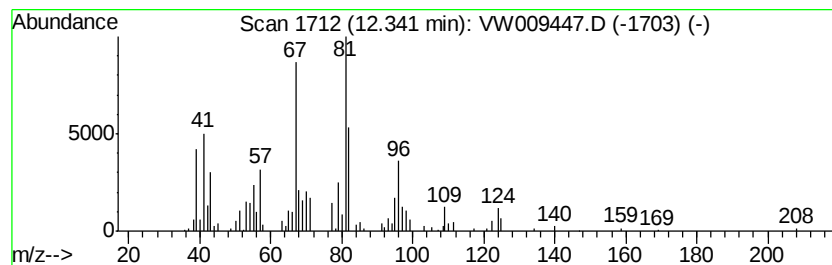
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Pentalene, octahydro-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.08 ug/L	135482	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2		1-Pentadecyne	208	C15H28	000765-13-9	80
3		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
4		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49
5		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009447.D
Acq On : 26 Mar 2019 00:24
Operator : SY/VA
Sample : K2044-15
Misc : 4.98G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5W4

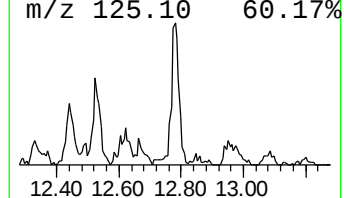
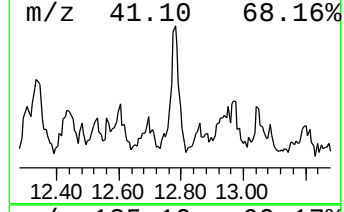
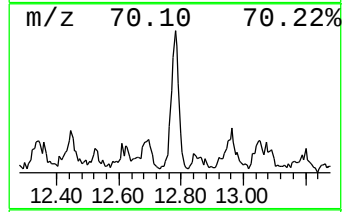
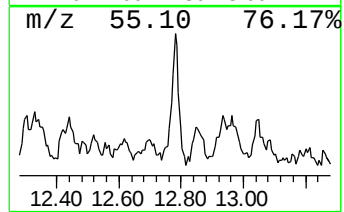
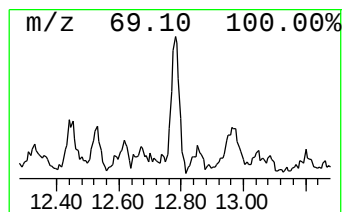
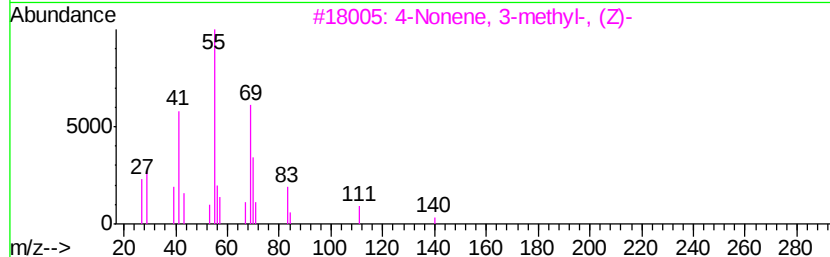
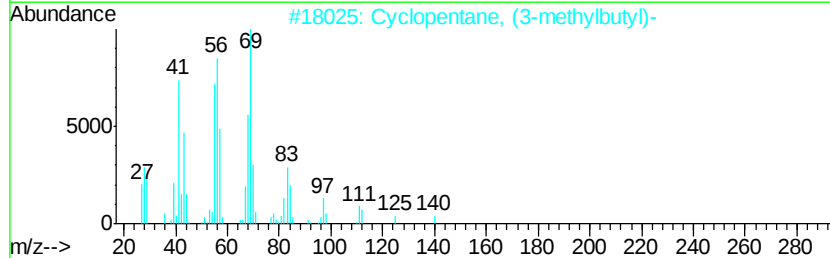
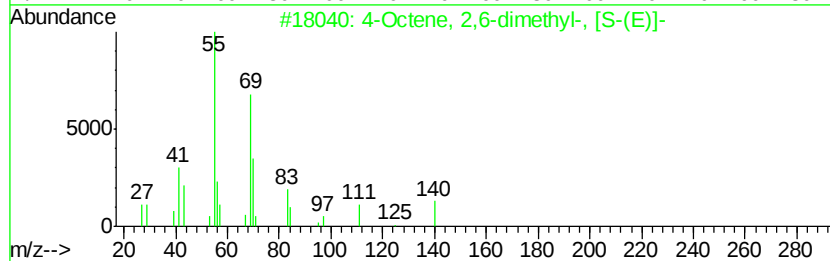
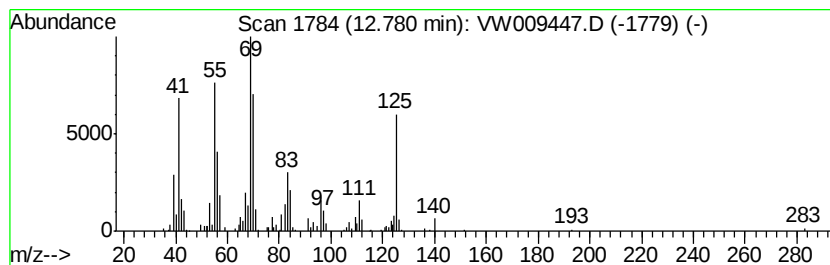
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Cyclic-12.78 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	4.31 ug/L	119541	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
2		Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	53
3		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	52
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	49
5		Cyclobutane, 1-butyl-2-ethyl-	140	C10H20	1000150-67-3	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
 Data File : VW009447.D
 Acq On : 26 Mar 2019 00:24
 Operator : SY/VA
 Sample : K2044-15
 Misc : 4.98G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5W4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	6.87	4.4	ug/L	173543	1	8.84	977443	25.0
(DEL) Alkane: Str...	8.03	7.7	ug/L	300503	1	8.84	977443	25.0
Propanoic acid, 2...	8.42	1.7	ug/L	66933	1	8.84	977443	25.0
(DEL) Alkane: Str...	8.48	25.6	ug/L	999619	1	8.84	977443	25.0
(DEL) Alkane: Str...	9.38	3.8	ug/L	147671	1	8.84	977443	25.0
(DEL) Alkane: Str...	9.46	11.5	ug/L	450425	1	8.84	977443	25.0
(DEL) Alkane: Str...	9.60	13.2	ug/L	516230	1	8.84	977443	25.0
(DEL) Alkane: Str...	9.76	40.6	ug/L	1588080	1	8.84	977443	25.0
(DEL) Alkane: Str...	9.89	47.5	ug/L	1858840	1	8.84	977443	25.0
(DEL) Alkane: Cyc...	10.07	2.2	ug/L	86859	1	8.84	977443	25.0
(DEL) Alkane: Str...	10.24	9.5	ug/L	417619	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	10.49	5.2	ug/L	227571	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	10.66	5.4	ug/L	239395	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	10.76	3.7	ug/L	161426	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	11.23	5.0	ug/L	217806	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	11.29	2.5	ug/L	111951	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	11.43	3.1	ug/L	134772	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	12.13	3.4	ug/L	151176	2	11.63	1100380	25.0
Pentalene, octahy...	12.34	3.1	ug/L	135482	2	11.63	1100380	25.0
(DEL) Alkane: Cyc...	12.78	4.3	ug/L	119541	3	13.56	693778	25.0